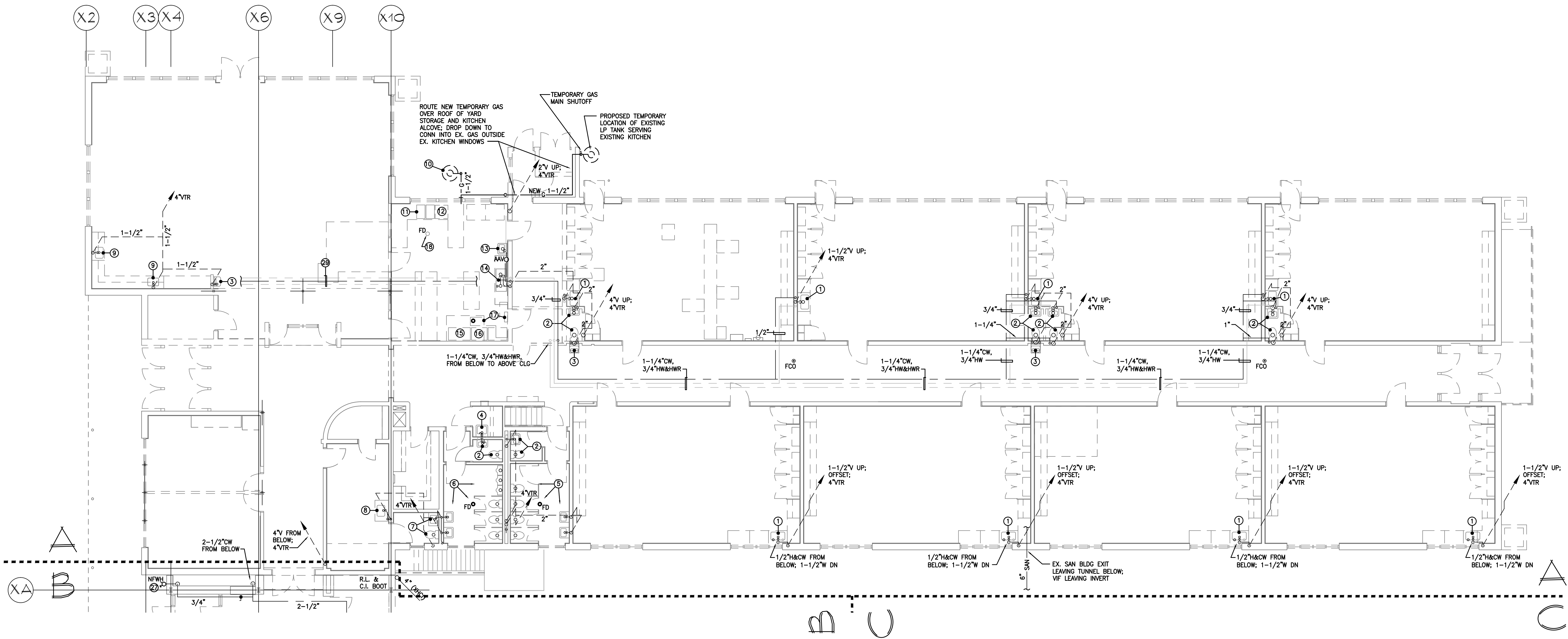


NUMBERED DEMOLITION NOTES -
PLUMBING DEMOLITION DRAWINGS PD101 AND PD102

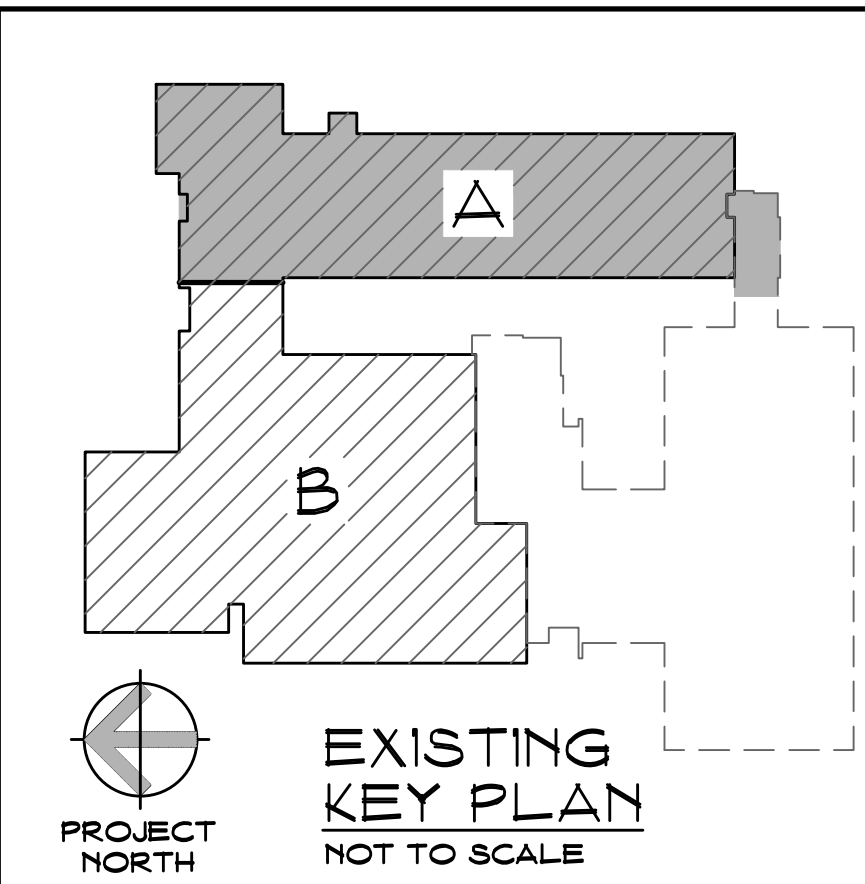
GENERAL: AS A "RENOVATE-AS-NEW" PROJECT, UNLESS SPECIFICALLY NOTED BELOW TO BE TREATED OTHERWISE, EXISTING PLUMBING EQUIPMENT, FIXTURES AND PIPING SHALL, AT THE PROPER PROJECT PHASE, BE DISCONNECTED AND REMOVED, WITH ALL RELATED ACCESSORIES AND BRANCH WATER, WASTE, SANITARY, VENT AND GAS PIPING. PROJECT PHASING SHALL BE ACCORDING TO PROJECT PHASING PLANS AND NARRATIVE.

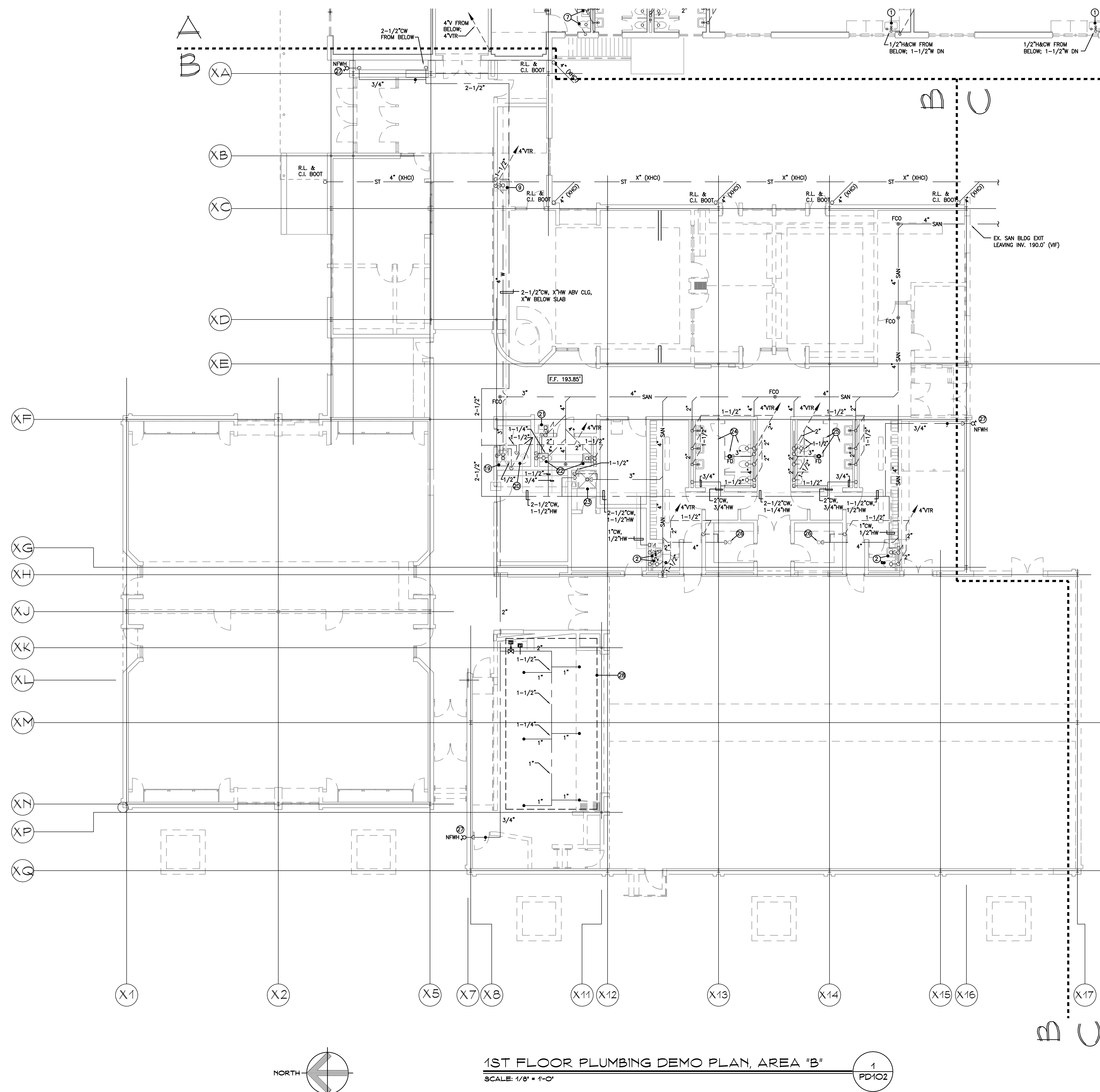
EXISTING UNDERSLAB SANITARY/WASTE PIPE MAINS MAY REMAIN IF TV SCOPING REVEALS THE CONDITION OF THE UNDERSLAB PIPE IS SUFFICIENTLY Viable ENOUGH NOT TO REQUIRE REPLACEMENT, ACCORDING TO THE JUDGEMENT OF THE PROJECT ENGINEER.

- 1 CLASSROOM COUNTER-MOUNT SINK OR COMBINATION SINK/DRINKING FOUNTAIN
- 2 PRIVATE USE BATHROOM: (1) FLOOR-MOUNT FLUSH VALVE WATER CLOSET, (1) WALL-MOUNT LAVATORY
- 3 WALL-MOUNT WATER COOLER -TO REMAIN; REFEED FROM NEW SERVICES
- 4 SERVICE SINK
- 5 GIRLS' TOILET ROOM: (4) FLOOR MOUNT FLUSH VALVE WATER CLOSETS, (2) WALL MOUNT LAVATORIES, (1) 3"TD
- 6 BOYS' TOILET ROOM: (3) FLOOR MOUNT FLUSH VALVE WATER CLOSETS, (3) FLOOR MOUNT URINALS, (2) WALL MOUNT LAVATORIES
- 7 PRIVATE USE BATHROOM: (1) FLOOR-MOUNT FLUSH VALVE WATER CLOSET, (1) VANITY BASE-MOUNT LAVATORY
- 8 COUNTER-MOUNT NURSE'S SINK IN BASE CABINETY
- 9 COUNTER-MOUNT KITCHEN-TYPE SINK
- 10 LIQUID PROPANE (LP) GAS STORAGE TANK; ARRANGE FOR TEMPORARY RELOCATION BY PROPANE SUPPLIER TO ALLOW FOR NEW TRANSFORMER INSTALLATION; ARRANGE FOR DISCONNECTION AND REMOVAL BY PROPANE SUPPLIER, AND REMOVE ALL RELATED GAS PIPING UNDERGROUND AND WITHIN BUILDING, AFTER NEW AREA "B" KITCHEN IS PLACED IN SERVICE.
- 11 PRE-RINSE/POT SINK WITH ADJACENT BOOSTER HEATER
- 12 COMMERCIAL DISHWASHER WITH ADJACENT BOOSTER HEATER
- 13 VITREOUS CHINA LAV-TYPE HANDWASHING SINK
- 14 2-BAY PREP SINK WITH DRAINBOARD EACH SIDE
- 15 LP GAS-FIRED OVEN
- 16 LP GAS-FIRED COOKING EQUIPMENT
- 17 COMMERCIAL KITCHEN HOOD WITH ANSUL FIRE SUPPRESSION SYSTEM (ANSUL CABINET OVER DOOR)
- 18 3"TD
- 19 FLOOR MOP RECEPTOR - EXISTING TO REMAIN
- 20 120 GALLON 4.5KW/4.5KW NON-SIMULTANEOUS ELEMENT ELECTRIC WATER HEATER
- 21 WALL-MOUNT WATER COOLER TO REMAIN; REFEED FROM NEW SERVICES
- 22 PRIVATE USE BATHROOM: (1) FLOOR-MOUNT FLUSH VALVE WATER CLOSET, (1) WALL-MOUNT LAVATORY
- 23 PRIVATE USE FIBERGLASS SHOWER STALL WITH SHOWER HEAD, CONTROLS AND DRAIN
- 24 GIRLS' TOILET ROOM: (3) FLOOR MOUNT FLUSH VALVE WATER CLOSETS, (3) WALL MOUNT LAVATORIES, (1) 3"TD
- 25 BOYS' TOILET ROOM: (1) FLOOR MOUNT FLUSH VALVE WATER CLOSETS, (2) FLOOR MOUNT URINALS, (3) WALL MOUNT LAVATORIES , (1) 3"TD
- 26 ROUGHED-IN 4"TD LOCATION WITH PLUG AND SOLID COVER.
- 27 NON-FREEZE WALL HYDRANT - TO REMAIN
- 28 LIMITED AREA SPRINKLER SYSTEM OFF DOMESTIC WATER PIPING SYSTEM, WITH SUPERVISED CONTROL VALVE AND FLOW SWITCH
- 29 WATER SERVICES TO (2) SINKS AND (1) WATER COOLER ROUTED OVERHEAD; VIF EXACT ROUTING AND REMOVE



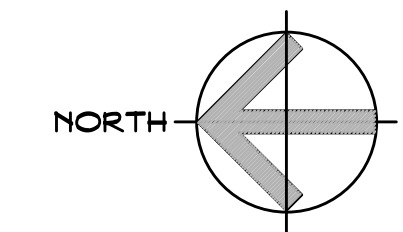
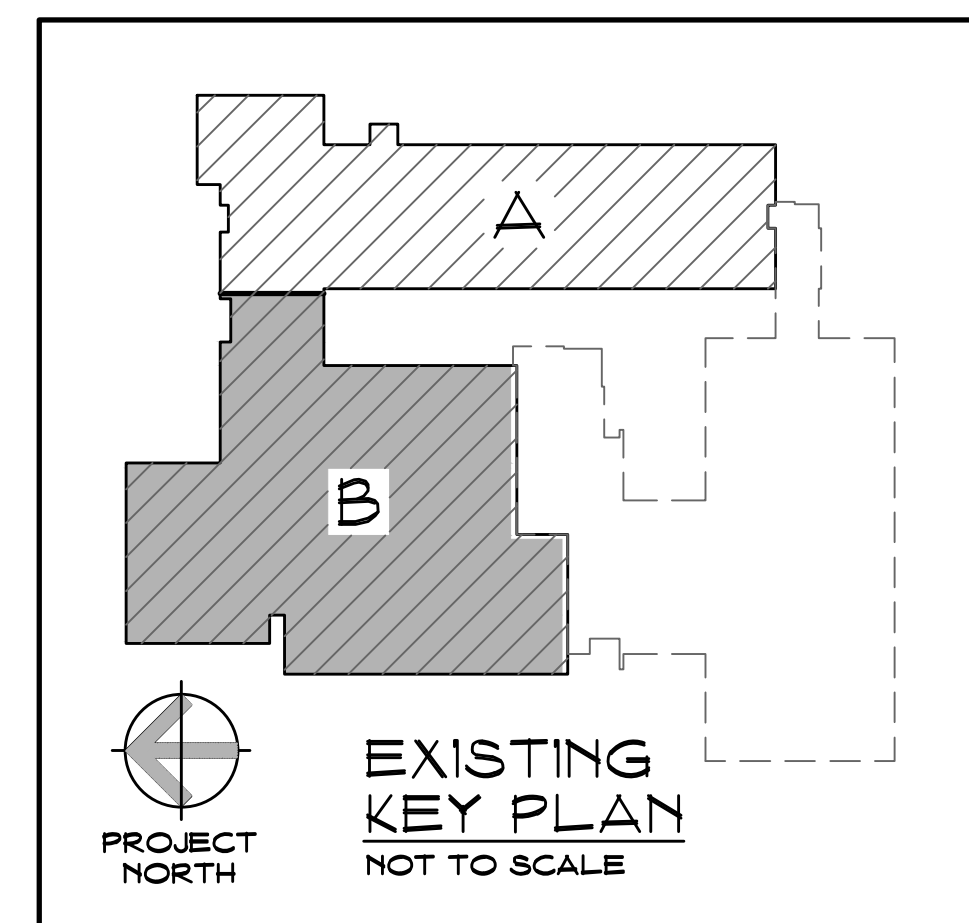
NORTH
1ST FLOOR PLUMBING DEMO PLAN, AREA "A"
SCALE: 1/8" = 1'-0"
1
PD101



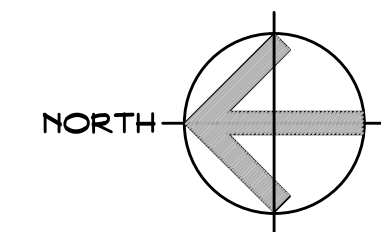
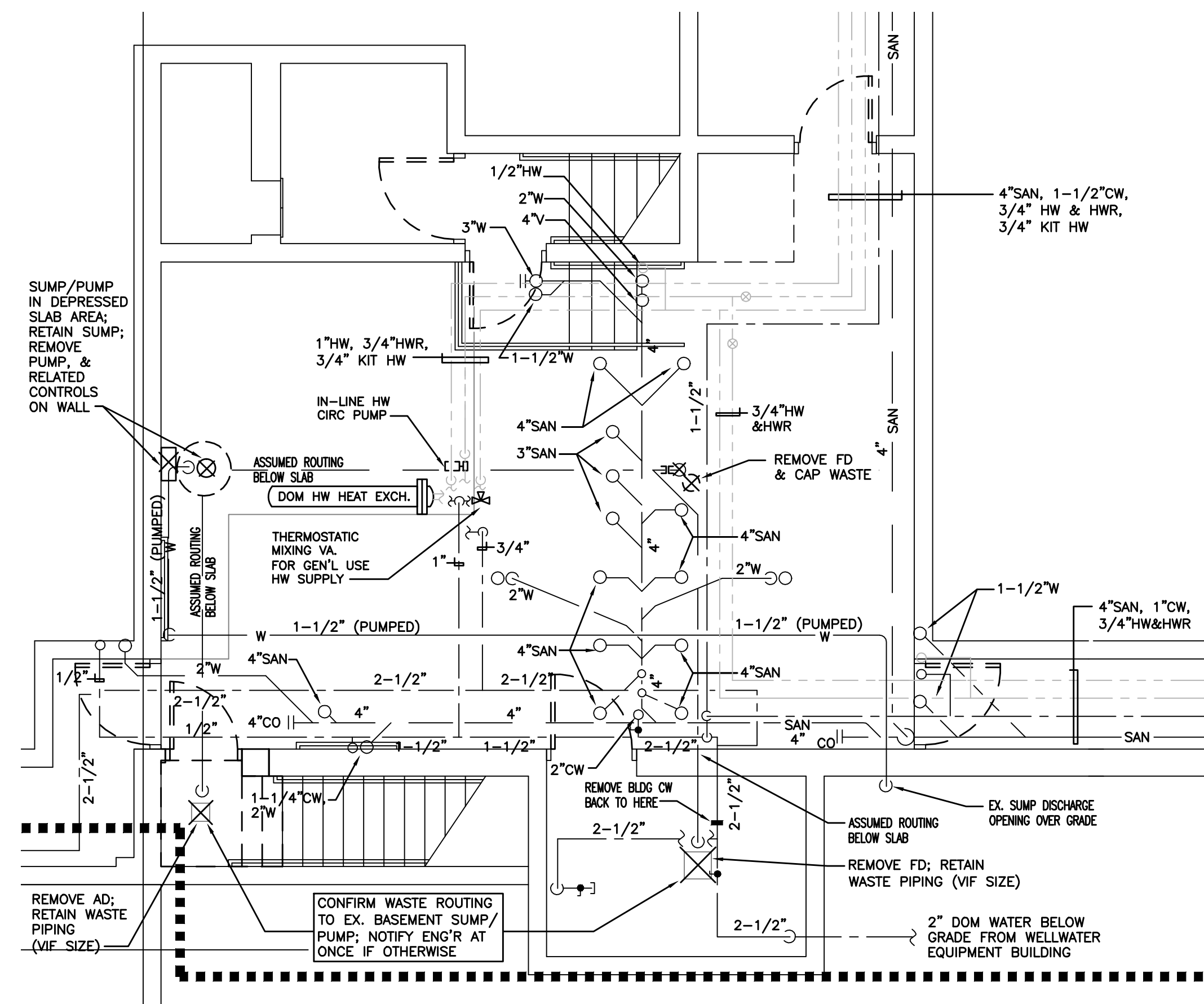


NUMBERED DEMOLITION NOTES –
PLUMBING DEMOLITION DRAWINGS PD101 AND PD102

- GENERAL: AS A "RENOVATE-AS-NEW" PROJECT, UNLESS SPECIFICALLY NOTED BELOW TO BE TREATED OTHERWISE, EXISTING PLUMBING EQUIPMENT, FIXTURES AND PIPING SHALL AT THE PROPER PROJECT PHASE, BE DISCONNECTED AND REMOVED, WITH ALL RELATED ACCESSORIES AND BRANCH WATER, WASTE, SANITARY, VENT AND GAS PIPING. PROJECT PHASING SHALL BE ACCORDING TO PROJECT PHASING PLANS AND NARRATIVE.
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- ① CLASSROOM COUNTER-MOUNT SINK OR COMBINATION SINK/DRINKING FOUNTAIN
 - ② PRIVATE USE BATHROOM: (1) FLOOR-MOUNT FLUSH VALVE WATER CLOSET, (1) WALL-MOUNT LAVATORY
 - ③ WALL-MOUNT WATER COOLER –TO REMAIN; REFEED FROM NEW SERVICES
 - ④ SERVICE SINK
 - ⑤ GIRLS' TOILET ROOM: (4) FLOOR MOUNT FLUSH VALVE WATER CLOSETS, (2) WALL MOUNT LAVATORIES, (1) 3"FD
 - ⑥ BOYS' TOILET ROOM: (3) FLOOR MOUNT FLUSH VALVE WATER CLOSETS, (3) FLOOR MOUNT URINALS, (2) WALL MOUNT LAVATORIES
 - ⑦ PRIVATE USE BATHROOM: (1) FLOOR-MOUNT FLUSH VALVE WATER CLOSET, (1) VANITY BASE-MOUNT LAVATORY
 - ⑧ COUNTER-MOUNT NURSE'S SINK IN BASE CABINERY
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 - ⑩ LIQUID PROPANE (LP) GAS STORAGE TANK; ARRANGE FOR TEMPORARY RELOCATION BY PROPANE SUPPLIER TO ALLOW FOR NEW TRANSFORMER INSTALLATION; ARRANGE FOR DISCONNECTION AND REMOVAL BY PROPANE SUPPLIER AND REMOVE ALL RELATED GAS PIPING UNDERGROUND AND WITHIN BUILDING, AFTER NEW AREA 'B' KITCHEN IS PLACED IN SERVICE.
 - ⑪ PRE-RINSE/POT SINK WITH ADJACENT BOOSTER HEATER
 - ⑫ COMMERCIAL DISHWASHER WITH ADJACENT BOOSTER HEATER
 - ⑬ VITREOUS CHINA LAV-TYPE HANDWASHING SINK
 - ⑭ 2-BAY PREP SINK WITH DRAINBOARD EACH SIDE
 - ⑮ LP GAS-FIRED OVEN
 - ⑯ LP GAS-FIRED COOKING EQUIPMENT
 - ⑰ COMMERCIAL KITCHEN HOOD WITH ANSUL FIRE SUPPRESSION SYSTEM (ANSUL CABINET OVER DOOR)
 - ⑱ 3"FD
 - ⑲ FLOOR MOP RECEPTOR – EXISTING TO REMAIN
 - ⑳ 120 GALLON 4.5KW/4.5KW NON-SIMULTANEOUS ELEMENT ELECTRIC WATER HEATER
 - ㉑ WALL-MOUNT WATER COOLER TO REMAIN; REFEED FROM NEW SERVICES
 - ㉒ PRIVATE USE BATHROOM: (1) FLOOR-MOUNT FLUSH VALVE WATER CLOSET, (1) WALL-MOUNT LAVATORY
 - ㉓ PRIVATE USE FIBERGLASS SHOWER STALL WITH SHOWER HEAD, CONTROLS AND DRAIN
 - ㉔ GIRLS' TOILET ROOM: (3) FLOOR MOUNT FLUSH VALVE WATER CLOSETS, (3) WALL MOUNT LAVATORIES, (1) 3"FD
 - ㉕ BOYS' TOILET ROOM: (1) FLOOR MOUNT FLUSH VALVE WATER CLOSETS, (2) FLOOR MOUNT URINALS, (3) WALL MOUNT LAVATORIES , (1) 3"FD
 - ㉖ ROUGHED-IN 4"FD LOCATION WITH PLUG AND SOLID COVER.
 - ㉗ NON-FREEZE WALL HYDRANT – TO REMAIN
 - ㉘ LIMITED AREA SPRINKLER SYSTEM OFF DOMESTIC WATER PIPING SYSTEM, WITH SUPERVISED CONTROL VALVE AND FLOW SWITCH
 - ㉙ WATER SERVICES TO (2) SINKS AND (1) WATER COOLER ROUTED OVERHEAD; VF EXACT ROUTING AND REMOVE



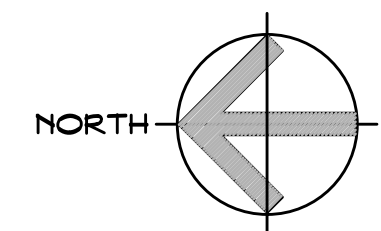
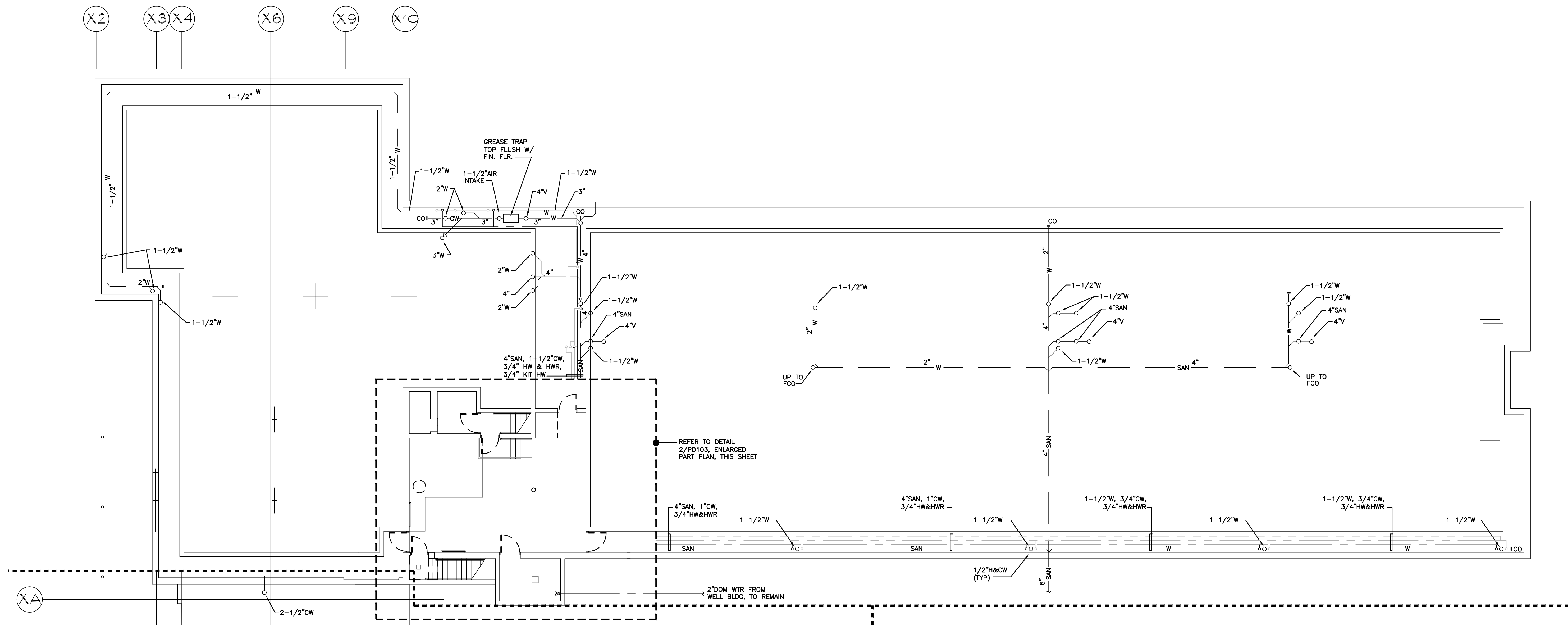
1ST FLOOR PLUMBING DEMO PLAN, AREA "B"
SCALE: 1/8" = 4'-0"



ENLARGED PART PLAN - BASEMENT PLUMBING DEMO PLAN

SCALE: 1/4" = 1'-0"

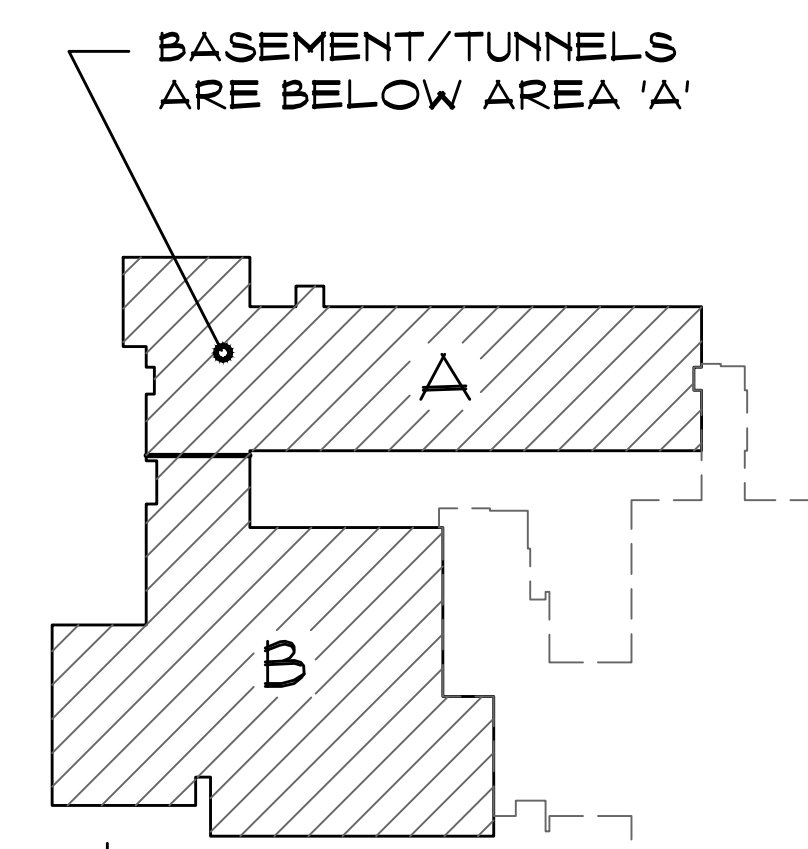
2
PD103



BASEMENT/TUNNEL PLUMBING DEMO PLAN

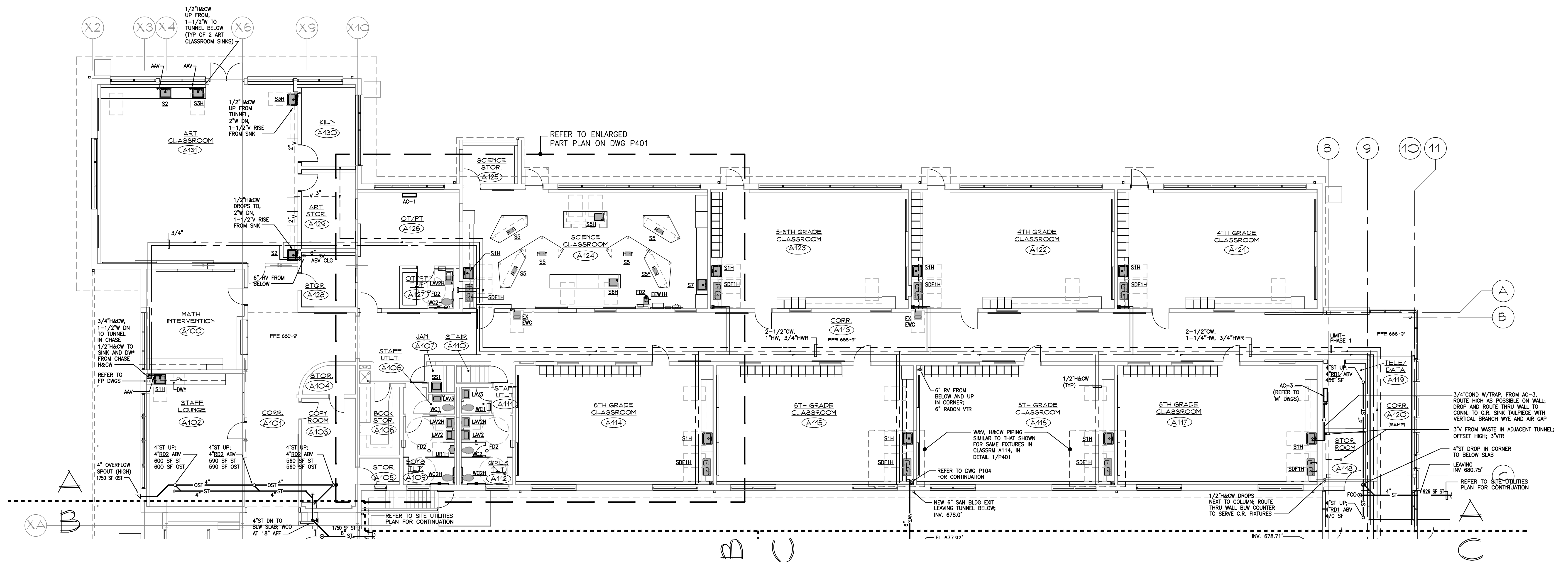
SCALE: 1/8" = 1'-0"

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PD103

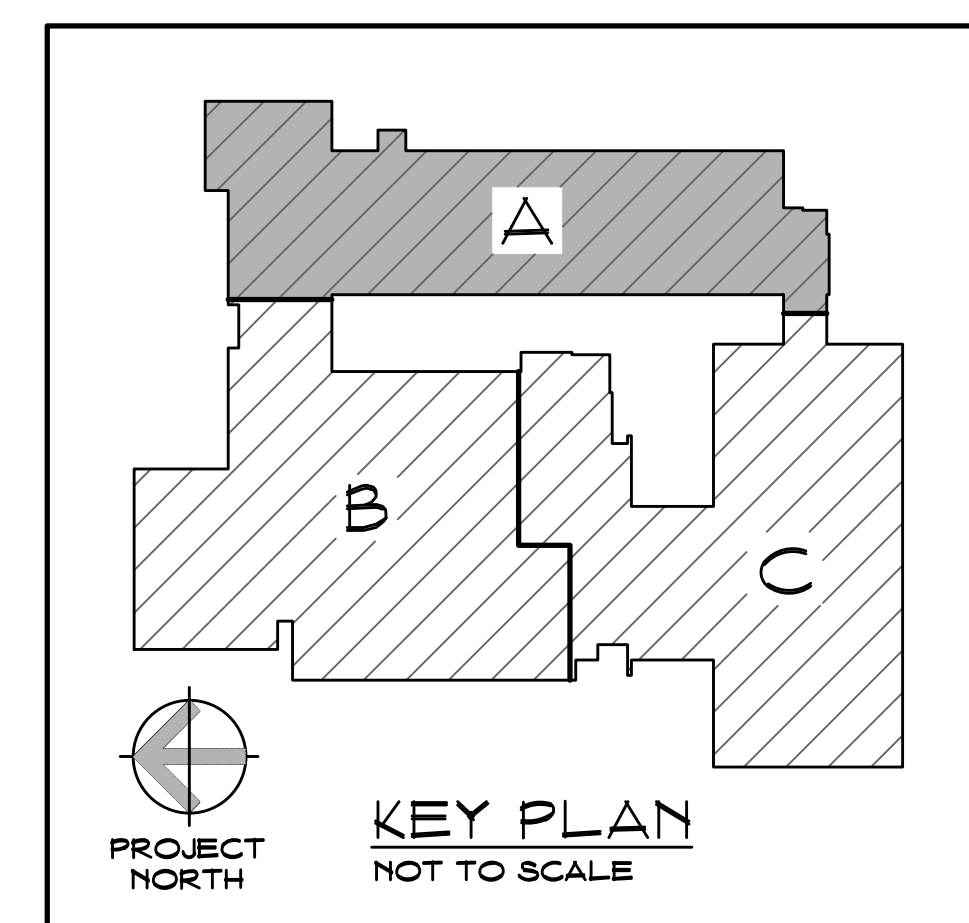


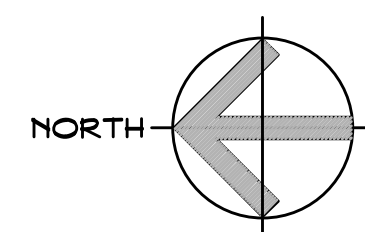
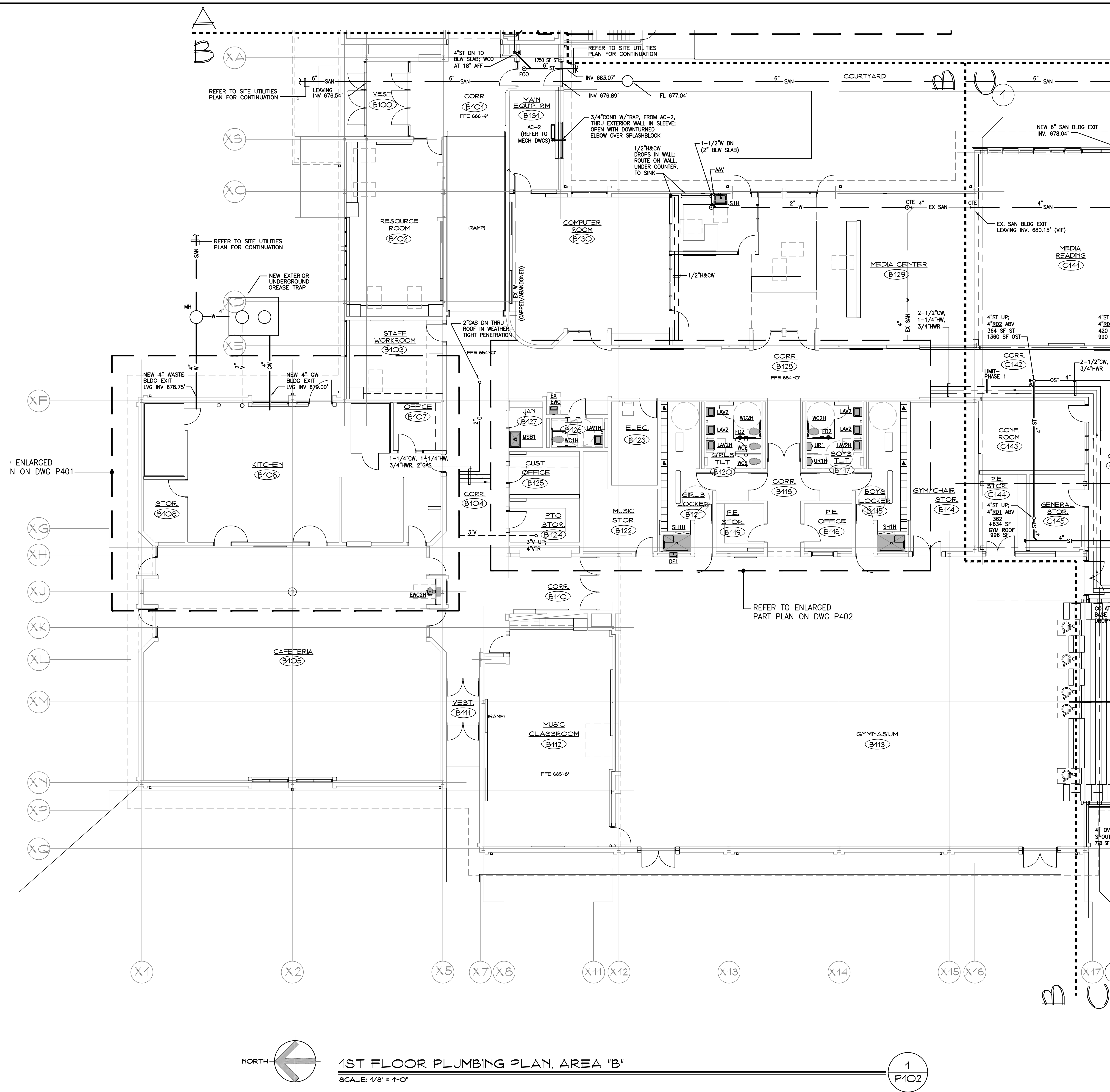
EXISTING KEY PLAN
NOT TO SCALE





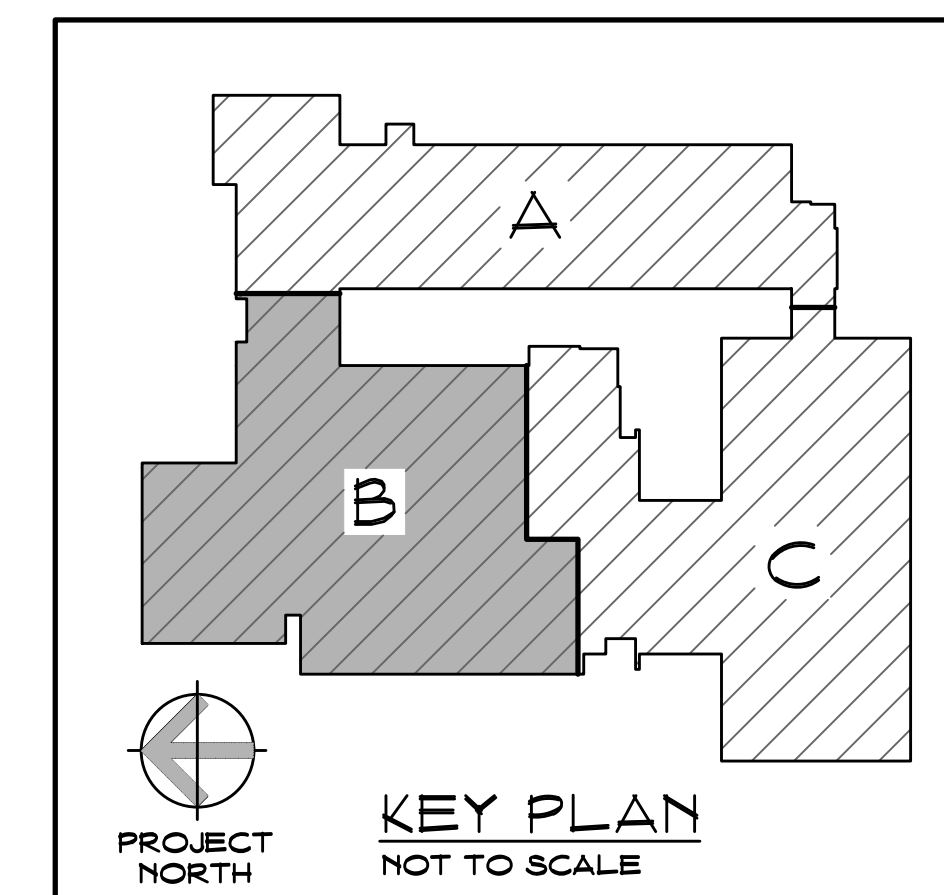
1ST FLOOR PLUMBING PLAN, AREA "A"
 SCALE: 1/8" = 1'-0"

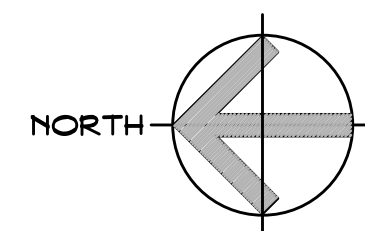
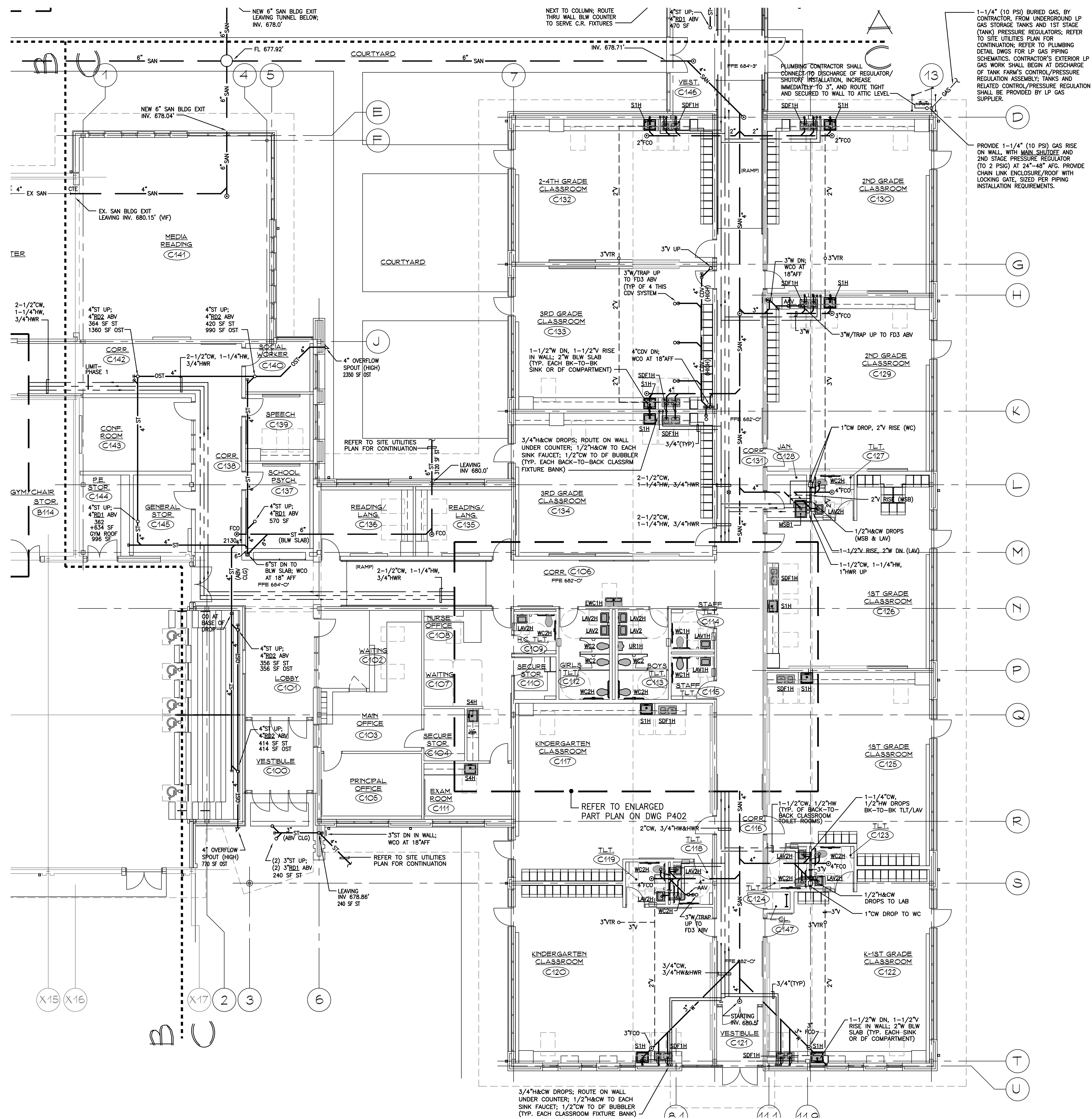




1ST FLOOR PLUMBING PLAN, AREA "B"
SCALE: 1/8" = 1'-0"

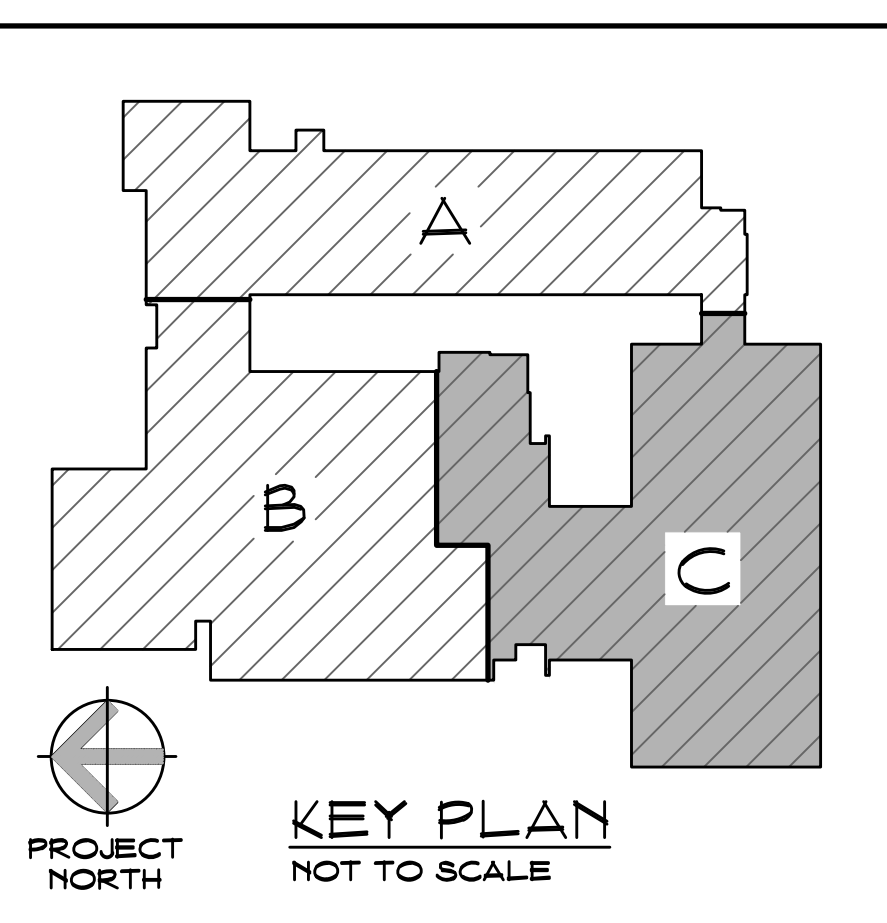
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P102

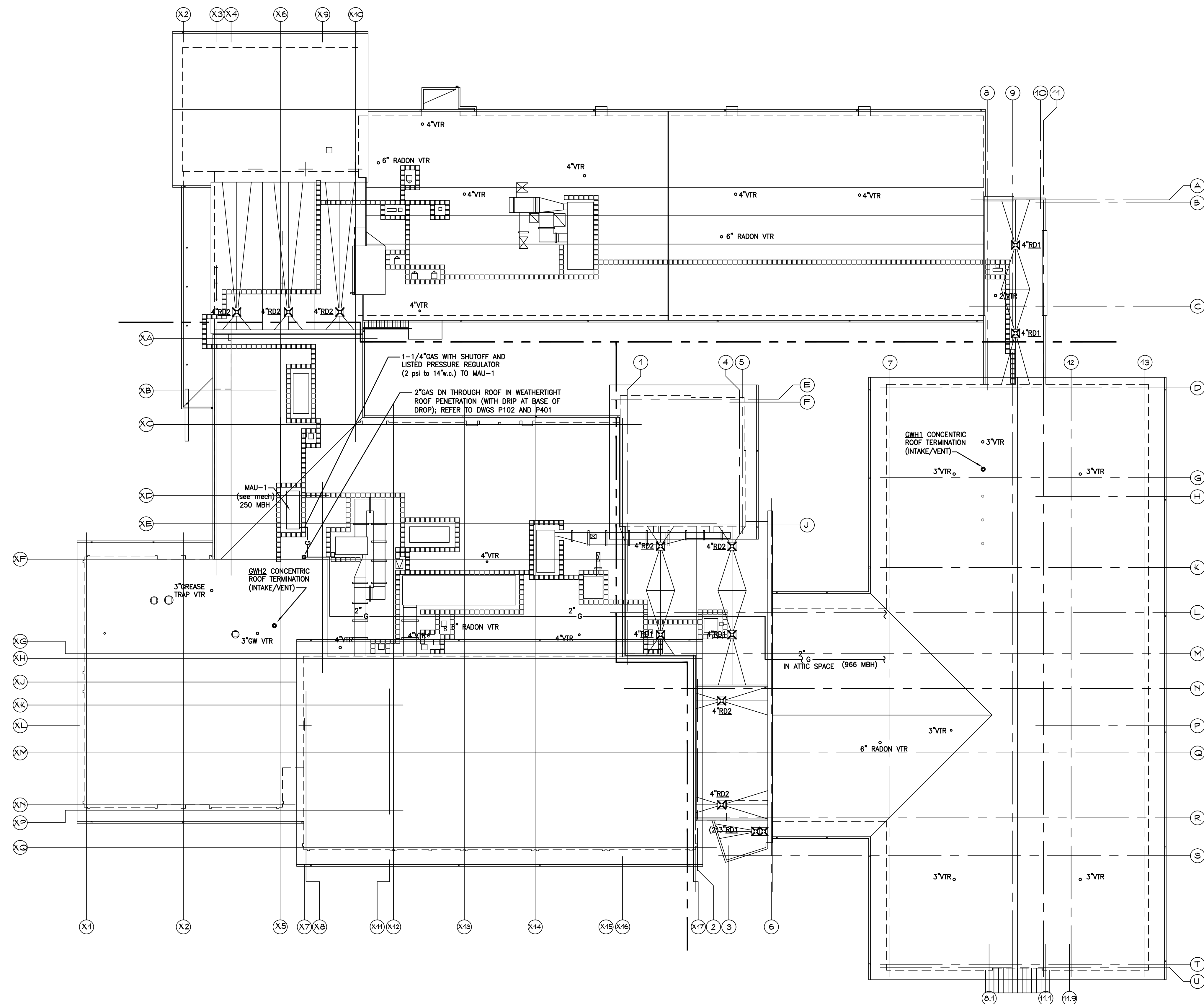




1ST FLOOR PLUMBING PLAN, AREA "C"
SCALE: 1/8" = 1'-0"

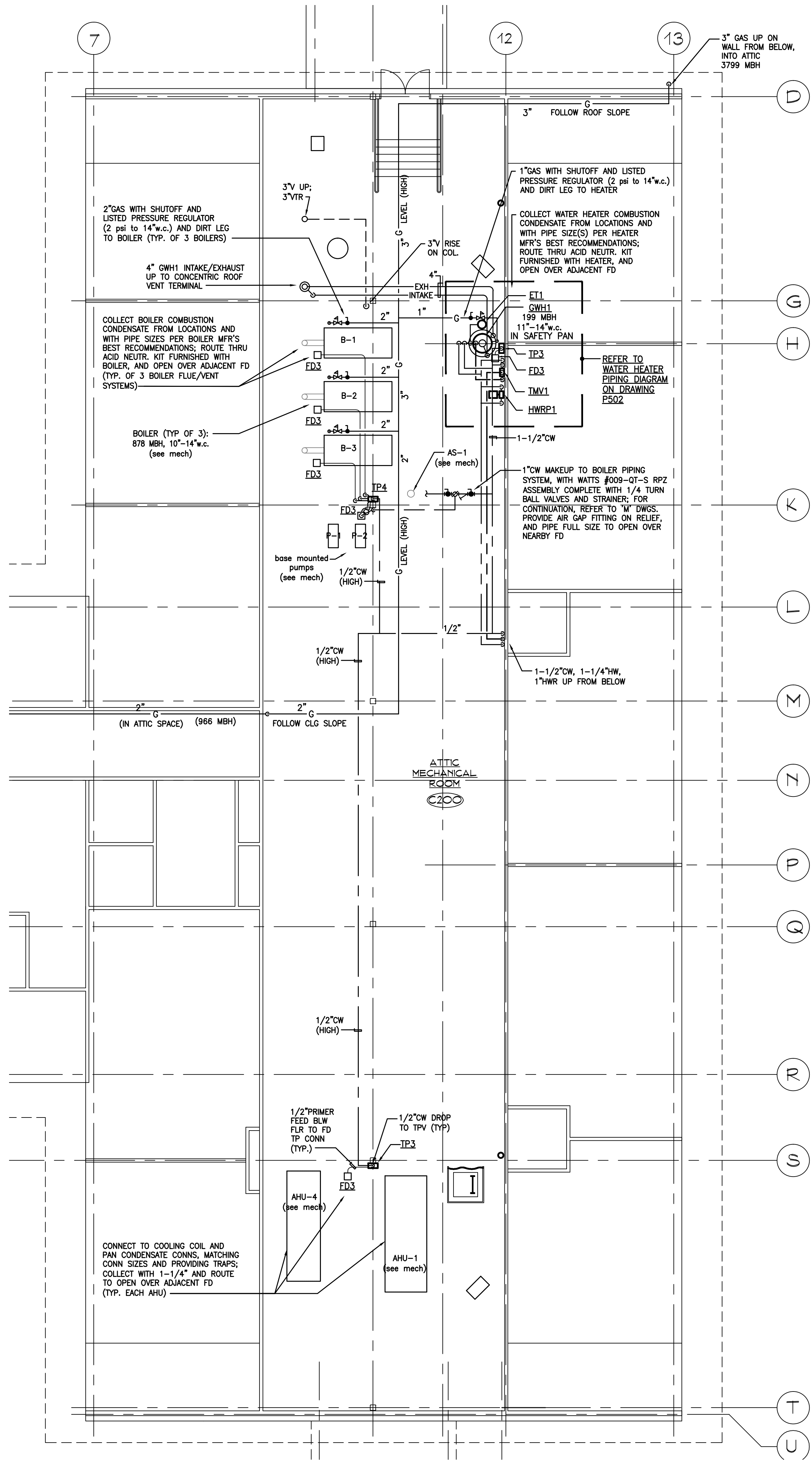
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P103





PLUMBING ROOF PLAN
SCALE: 1/16" = 1'-0"

2
P105

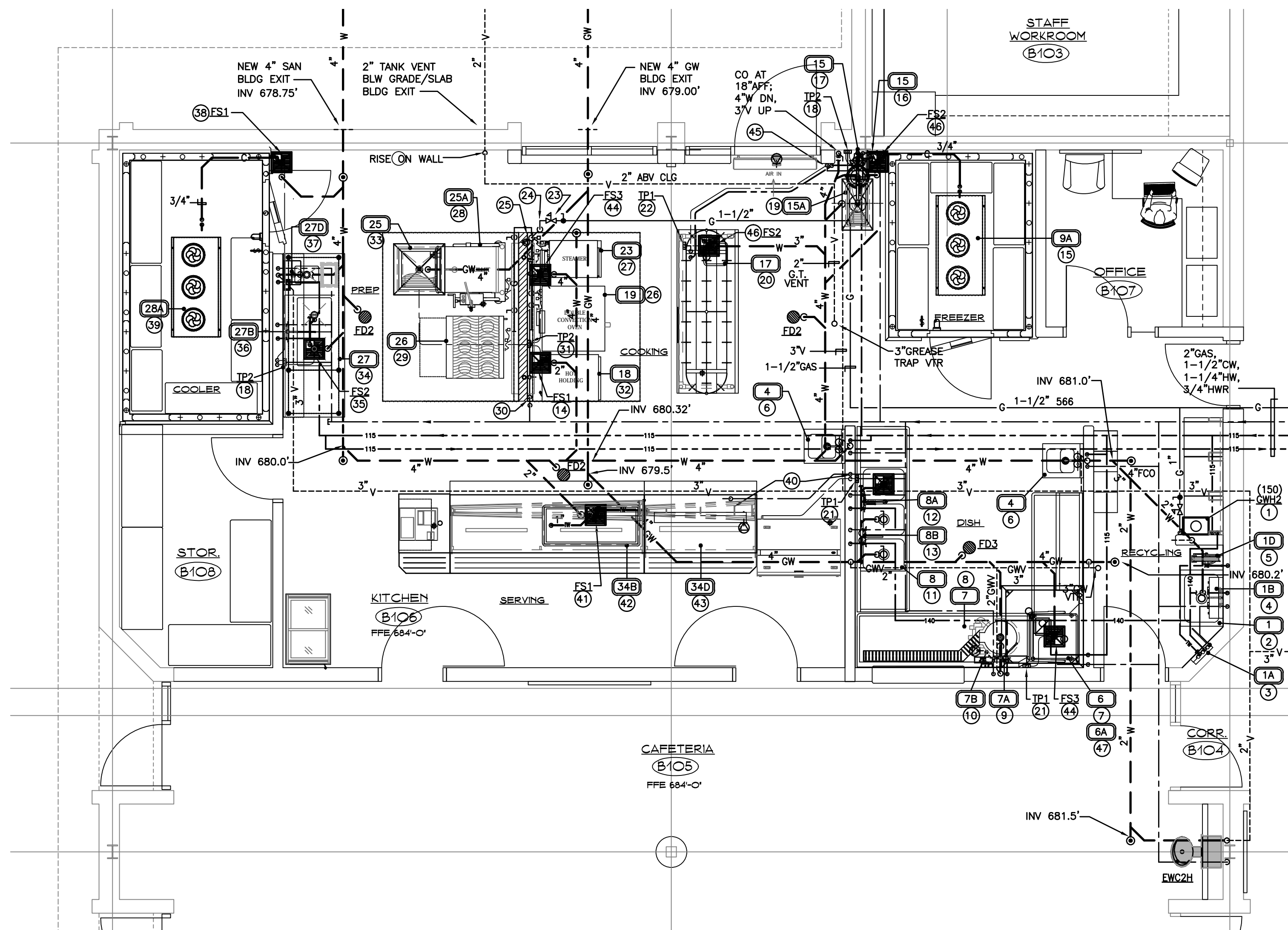


PLUMBING ATTIC PLAN - AREA 'C'
SCALE: 1/8" = 1'-0"

1
P105

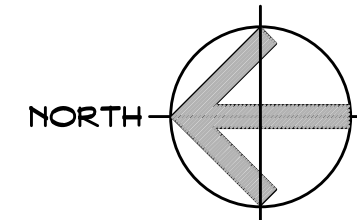


Revision:	Description:	Date:	Revised By:
--	ISSUED FOR BIDDING	NOV. 26, 2013	--



NUMBERED NOTES - DETAIL 2/P401 1ST FLOOR PLUMBING PART PLAN, AREA "B" -VICINITY OF KITCHEN B106

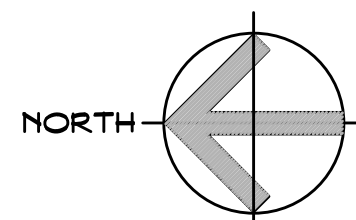
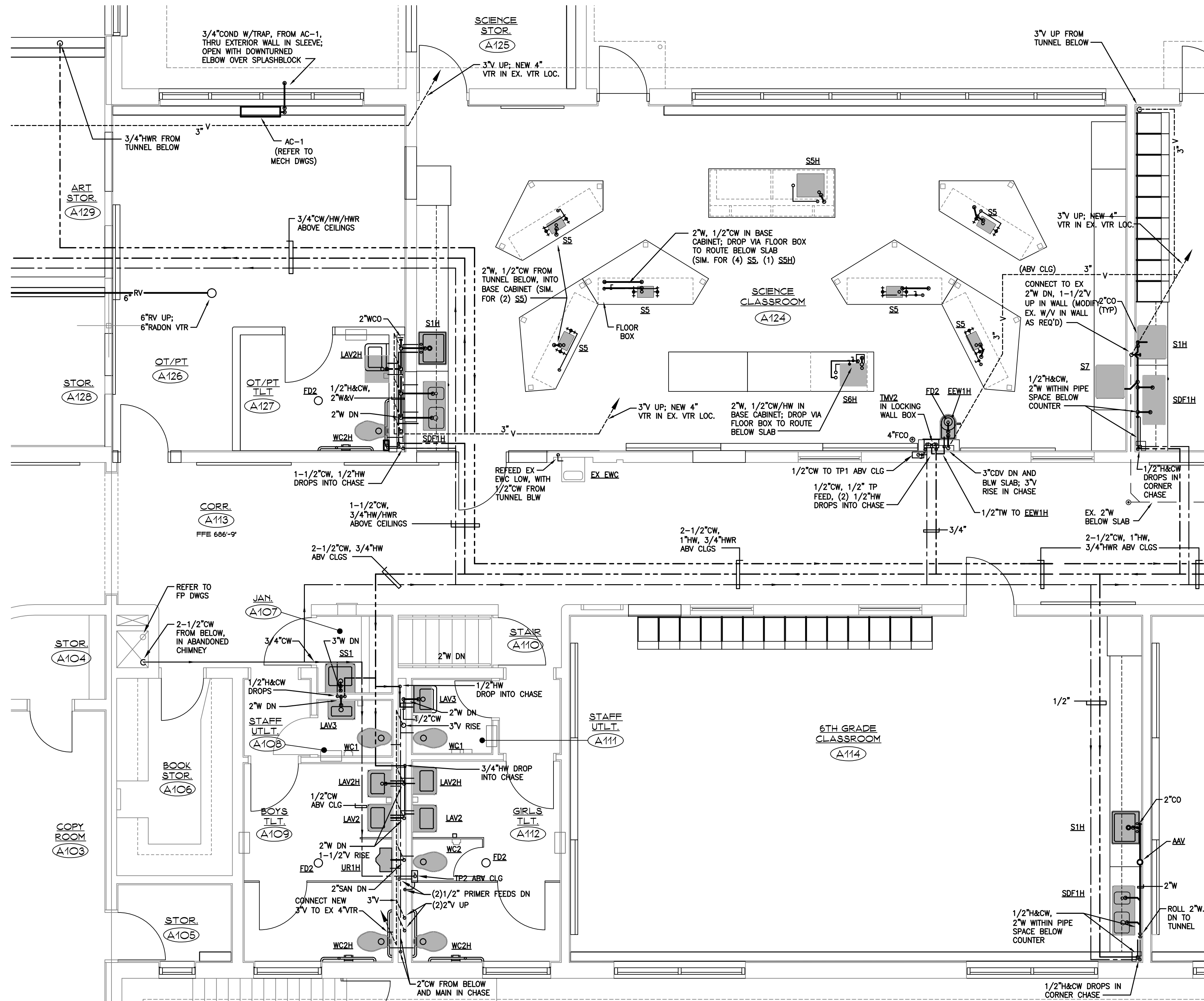
- II** NUMBERS IN RECTANGULAR BOXES CORRESPOND TO FOOD SERVICE EQUIPMENT ITEM NUMBERS IN FOOD SERVICE DRAWINGS. ALL ITEMS SO DESIGNATED SHALL BE FURNISHED BY THE FOOD SERVICE CONTRACTOR. ITEMS SO DESIGNATED SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR UNDER THE GC'S WORKSCOPE, UNLESS SPECIFICALLY NOTED TO BE INSTALLED BY OTHER THAN THE GC IN DETAIL 1 ON DWG FS-1.1.1 "CAFETERIA EQUIPMENT SCHEDULE". PLUMBING CONTRACTOR SHALL ROUGH-IN PLUMBING SERVICES FOR PROVIDE ALL MFR.-REQUIRED/CODE-REQUIRED ACCESSORIES, UNLESS FURNISHED WITH THE ITEM-VERIFY PRIOR TO BID) AND MAKE ALL FINAL PLUMBING CONNECTIONS TO ALL FOOD SERVICE EQUIPMENT, FIXTURES, FLOOR DRAINAGE ITEMS, ETC., REGARDLESS OF WHICH CONTRACTOR FURNISHES AND/OR INSTALLS EACH ITEM. PLUMBING CONTRACTOR SHALL REFER TO FOOD SERVICE (FS) DRAWINGS AND SPECS (SECTION 114000) FOR ADDITIONAL PLUMBING REQUIREMENTS/SCOPE RELATED TO FOOD SERVICE ITEM INSTALLATIONS. SUCH REQUIREMENTS ARE PART OF PLUMBING CONTRACTOR'S SCOPE. NOTE: ASTERISK (*) IN EQUIPMENT CALLOUTS IN THE FOLLOWING NOTES INDICATES THAT THE ITEM IS TO BE FURNISHED BY THE FOOD SERVICE CONTRACTOR.
- TANKLESS GAS-FIRED WATER HEATER (WH2) - MOUNT ON WALL, BOTTOM AT 4'-0" AFF. PROVIDE 3/4" GAS DROP WITH DIRT LEG, SHUTOFF, UNION, PRESSURE REGULATOR, AND LISTED FLEXIBLE GAS CONNECTOR. 3/4" (115F) INLET, 3/4"(140F) OUTLET, WITH UNIONS AND SHUTOFFS. REFER TO PIPING DETAIL ON DWS P502, AND SPEC ON DRAWING P501.
 - MOP SINK*: 1/2"x8" CW, 2" W WITH TRAP, 1-1/2" V (UP IN WALL)
 - HOSE REEL CONTROL BOX*: 1/2" (140F) HW, 1/2" CW
 - MOP SINK SERVICE FAUCET*: 1/2" (140F) HW AND CW
 - HOSE REEL WITH SPRAY*: 1/2" HW (TEMPERED THROUGH CONTROL BOX)
 - HAND SINK*: 1/2"(115F) HW, 1/2" CW, 1-1/2" W WITH TRAP, (2" BLW SLAB), 1-1/2" V
 - DISHWASHER WITH BOOSTER HEATER*: 3/4"(115F) HW, 1/2" CW (FOR DRAIN WATER TEMPERING); 1-1/2" INDIRECT WASTE TO OPEN OVER FLOOR SINK (FS3) BENEATH. ALSO, PROVIDE ALL INTERCONNECTING PIPING, VALVES, PRESSURE AND TEMPERATURE REGULATING/SAFETY DEVICES BETWEEN BOOSTER HEATER AND DISHWASHER, PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - SOILED DISHTABLE WITH TROUGH*: 1-1/2" INDIRECT WASTE WITH TRAP, TO OPEN OVER LOCAL FLOOR SINK (BELOW DISHWASHER)
 - PRERINSE FAUCET*: 1/2"(140F) HW, 1/2" CW
 - WASTE COLLECTOR*: 2" CW WITH TRAP, 1-1/2" V, 1/2"(140F) HW, 1/2" CW
 - 3-COMPARTMENT SINK*: 1-1/2" LEVER GW WITH TRAP (TYP. EACH COMPARTMENT); COLLECT COMPARTMENT GW WITH 2" CW, 2" CW DN, 2" CW UP IN WALL
 - WALL-MOUNTED FAUCET*: 1/2"(140F) HW, 1/2" CW
 - WALL-MOUNTED POT-FILLER FAUCET*: 3/4"(140F) HW, 3/4" CW. PROVIDE CHECKS ON SUPPLIES TO PREVENT HEAT MIGRATION TO OTHER FIXTURES; PROVIDE FLOW RESTRICTOR ON HW SUPPLY TO LIMIT FLOW TO 3.0 GPM.
 - FS1: 2" W WITH TRAP; 1/2" PRIMER FEED TO PRIMER DOWN
 - FREEZER EVAPORATOR COIL*: CONNECT TO 3/4" CONDENSATE; INCREASE TO 1" WITH TRAP AND ROUTE TO OPEN OVER LOCAL FS1 WITH AIR GAP PER CODE
 - THERMOSTATIC MIXING VALVE (TMV)*: FURNISHED BY KEC WITH EYEWASH/SHOWER STATION*. WALL-MOUNT, BOTTOM AT 60" AFF. (MINIMUM); COORDINATE EXACT LOCATION WITH ALL OTHER TRADES; IF MOUNTING ON FREEZER WALL, CONFORM TO FREEZER MFR'S REQ'TS, PROVIDING OTHER SUPPORTS AS/IF REQUIRED. 3/4"(115F) HW AND 3/4" CW INLETS, 1" TEMPERED WATER (TW-85F) DISCHARGE; INCREASE IMMEDIATELY TO 1-1/4"; ROUTE TO EYEWASH/SHOWER STATION*.
 - EYEWASH/SHOWER STATION*: 1-1/4" TW TO INLET; 1-1/2" WASTE WITH TRAP FROM DRAIN CONNECTION TO OPEN OVER LOCAL FLOOR SINK.
 - TP2 ABOVE CEILING ON COLUMN; 1/2" CW TO TP2; 1/2" TRAP PRIMER FEED, VIA TP2 DISTRIBUTION UNIT, TO EACH LOCAL FLOOR TROUGH OR FLOOR SINK
 - FLOOR TROUGH*: 2" W WITH TRAP; 1/2" PRIMER FEED TO PRIMER CONNECTION
 - ADA WORK TABLE WITH SINK/FAUCET*: 1/2"(115F) HW AND 1/2" CW ("K" COPPER ROUTED IN PVC SLEEVE BELOW SLAB) TO SINK'S ELECTRONIC FAUCET; 1-1/2" W WITH TRAP TO OPEN OVER LOCAL FLOOR SINK
 - TEL ABOVE CEILING ON COLUMN; 1/2" CW TO TP1; 1/2" TRAP PRIMER FEED IN WALL AND BELOW TO SLAB TO FLOOR SINK BELOW ISLAND SERVING LINE EQUIPMENT
 - TEL (BOT/MIN 12" AFF), SECURED TO ISLAND WORK TABLE WITH REMOVABLE STAINLESS STEEL STRAPS/HARDWARE; 1/2" CW ("K" COPPER ROUTED IN PVC SLEEVE BELOW SLAB) TO TP1; 1/2" TRAP PRIMER FEED TO OPEN OVER LOCAL FS2 (AVOID CONFLICT WITH ADA CLEARANCE REQUIREMENTS BELOW SINK)
 - 1-1/2" GAS ABOVE CEILING; PROVIDE MANUAL SHUTOFF AND VENT LIMITING PRESSURE REGULATING VALVE (2 PSI INLET, 13" W.C. DISCHARGE, 566 MBH)
 - DROP 1-1/2" GAS TO RUN TIGHT TO UNDERSIDE OF HOOD
 - OFFSET 1-1/2" GAS TIGHT TO UNDERSIDE OF HOOD TO DROP ON WALL; AT 36" AFF. MAX, PROVIDE MANUAL SHUTOFF UPSTREAM OF SOLENOID VALVE (INTERLOCKED WITH HOOD FIRE SUPPRESSION SYSTEM); ROUTE 1-1/2" GAS MANIFOLD ON BOTH SIDES OF COOKING WALL AT 24" AFF.
 - CONNECTION OVEN (DOUBLE)*: (2) [55 MBH] 3/4" GAS CONNS. REQUIRED; FOR EACH CONN., PROVIDE 3/4" BOTTOM TAKEOFF FROM GAS MANIFOLD, WITH SHUTOFF, BOTTOM CAP, AND TEE FOR FLEX GAS CONNECTOR (PER ARRANGEMENT INDICATED ON FOOD SERVICE DETAIL 7/FS-1.4.1).
 - BOILERLESS GAS STEAMER*: (2) [62 MBH] 1/2" GAS CONNS. REQUIRED; FOR EACH CONN., PROVIDE 1/2" BOTTOM TAKEOFF FROM GAS MANIFOLD, WITH SHUTOFF, BOTTOM CAP, AND TEE FOR FLEX GAS CONNECTOR (PER ARRANGEMENT INDICATED ON FOOD SERVICE DETAIL 7/FS-1.4.1). WASTE: CONNECT TO 2-1/2" DRAIN, INCREASE IMMEDIATELY TO 3", PROVIDE TRAP, AND ROUTE TO OPEN OVER LOCAL FLOOR SINK WITH AIR GAP PER CODE.
 - TILT SKILLET*: (1) [125 MBH] 3/4" GAS CONN. REQUIRED; PROVIDE 3/4" BOTTOM TAKEOFF FROM GAS MANIFOLD, WITH SHUTOFF, BOTTOM CAP, AND TEE FOR FLEX GAS CONNECTOR (PER ARRANGEMENT INDICATED ON FOOD SERVICE DETAIL 7/FS-1.4.1).
 - COOKING RANGE*: (1) [207 MBH] 3/4" GAS CONN. REQUIRED; PROVIDE 3/4" BOTTOM TAKEOFF FROM GAS MANIFOLD, WITH SHUTOFF, BOTTOM CAP, AND TEE FOR FLEX GAS CONNECTOR (PER ARRANGEMENT INDICATED ON FOOD SERVICE DETAIL 7/FS-1.4.1).
 - 1" CW DROP TO RUN TIGHT TO UNDERSIDE OF HOOD; AND DROP ON COOKING WALL; ROUTE 1" CW ON WALL AT 30" AFF.
 - 1/2" DROP WITH SHUTOFF TO TP2; 1/2" TRAP PRIMER FEED, VIA TP2 DISTRIBUTION UNIT, TO EACH LOCAL FLOOR TROUGH OR FLOOR SINK
 - HOLDING CABINET PROOFER*: 1/2" BOTTOM TEE OFF CW MANIFOLD, WITH SHUTOFF AND 1/4" REDUCER; CONNECT TO 1/4" DRAIN, INCREASE IMMEDIATELY TO 1", PROVIDE TRAP AND ROUTE TO OPEN OVER LOCAL FLOOR SINK WITH AIR GAP PER CODE.
 - FLOOR TROUGH*: 4" GW WITH TRAP; 1/2" PRIMER FEED TO PRIMER CONNECTION
 - WORK (PREP) TABLE WITH SINK*: 2-BAY PREP SINK; COLLECT (2) 1-1/2" WASTES WITH 1-1/2", PROVIDE TRAP, AND ROUTE TO OPEN OVER LOCAL FLOOR SINK; HANDWASH SINK: 1-1/2" W WITH TRAP; 2" W DN, 1-1/2" V UP IN WALL
 - FLOOR SINK: 3" W WITH TRAP; 1/2" PRIMER FEED TO PRIMER CONNECTION
 - BACKSPLASH MOUNT FAUCET*: 1/2"(115F) HW, 1/2" CW
 - ELECTRONIC HANDWASH FAUCET*: 1/2"(115F) HW, 1/2" CW
 - FLOOR SINK: 2" W WITH TRAP; 1/2" PRIMER FEED TO PRIMER CONNECTION
 - DROP-IN FROST TOP*: 1" W WITH TRAP TO OPEN OVER LOCAL FLOOR SINK
 - DROP-IN HOT WELLS*: 1" W WITH TRAP TO OPEN OVER LOCAL FLOOR SINK
 - FLOOR SINK: 4" W WITH TRAP; 1/2" PRIMER FEED TO PRIMER CONNECTION
 - 1/2"(115F) HW AND CW DROPS IN WALL TO BELOW SLAB; ROUTE IN PVC SLEEVE(S) BELOW SLAB; STUB ABOVE SLAB WITH ACCESSIBLE SHUTOFFS BELOW ISLAND ADA WORK TABLE WITH SINK
 - FLOOR SINK: 3" W WITH TRAP; 1/2" PRIMER FEED TO PRIMER CONNECTION
 - CONDENSATE HOOD: 1" W WITH TRAP; ROUTE DOWN ON WALL BEHIND DISHWASHER TO OPEN OVER FLOOR SINK BELOW



1ST FLOOR PLUMBING PART PLAN, AREA "A" - VICINITY OF BOYS A109/GIRLS A112/ TOILET ROOMS/SCIENCE CLASSROOM A124

SCALE: 1/4" = 1'-0"

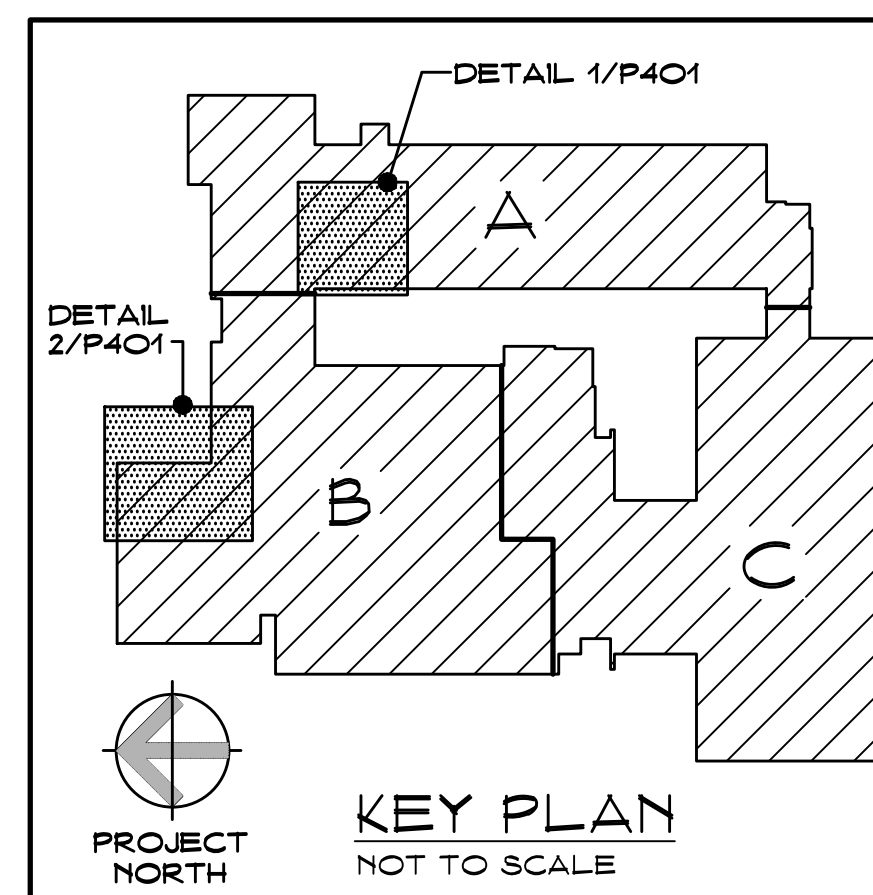
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P401



1ST FLOOR PLUMBING PART PLAN, AREA "B" - VICINITY OF KITCHEN B106

SCALE: 1/4" = 1'-0"

2
P401



Project Title:

Expansion and Renovate as New Project - PHASE 1 of 3

Crystal Lake Elementary School

284 Sandy Beach Road
Ellington, Connecticut 06029



SILVER / PETRUCELLI + ASSOCIATES
Architects / Engineers / Interior Designers

3190 Whitney Avenue, Hamden, CT 06518-2340
Tel. 203 230 9007 Fax. 203 230 8247
silverpetrucelli.com

Revision: Description: Date: Revised By:

-- ISSUED FOR BIDDING NOV. 26, 2013 --

Drawing Title:

**ENLARGED PLUMBING
PART. PLANS**

State Project Number: 048-0058 EA/RR/PS

Date: Drawing Number:

JUNE 18, 2013

Scale:
AS NOTED

Drawn By:
MBG

Project Number:
12.140

P401



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Drawing Title:

ENLARGED PLUMBING
PART. PLANS

State Project Number: 048-0058 EA/RR/PS

Date: **JUNE 18, 2013**

Scale: **AS NOTED**

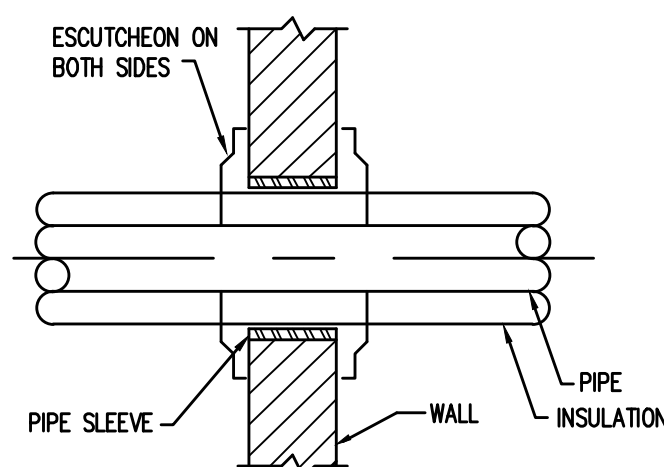
Drawn By: **MBQ**

Project Number: **P402**

P402

PIPE PENETRATION DETAIL
NON-RATED WALL

NOT TO SCALE

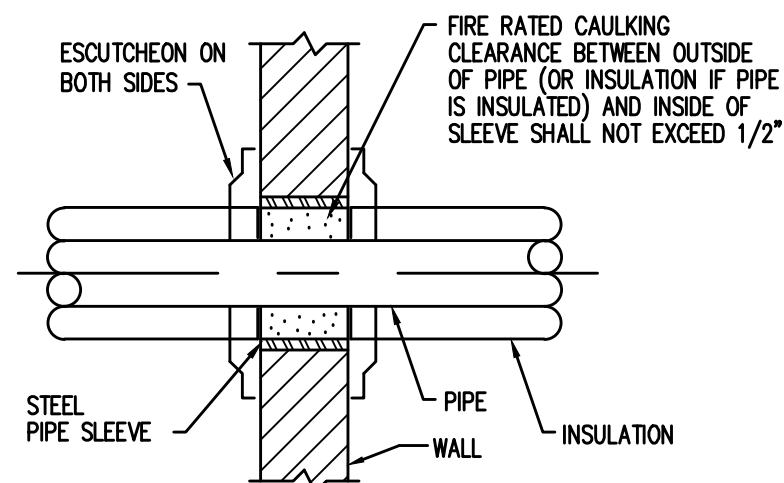


9

P502

PIPE PENETRATION DETAIL
FIRE RATED WALL

NOT TO SCALE

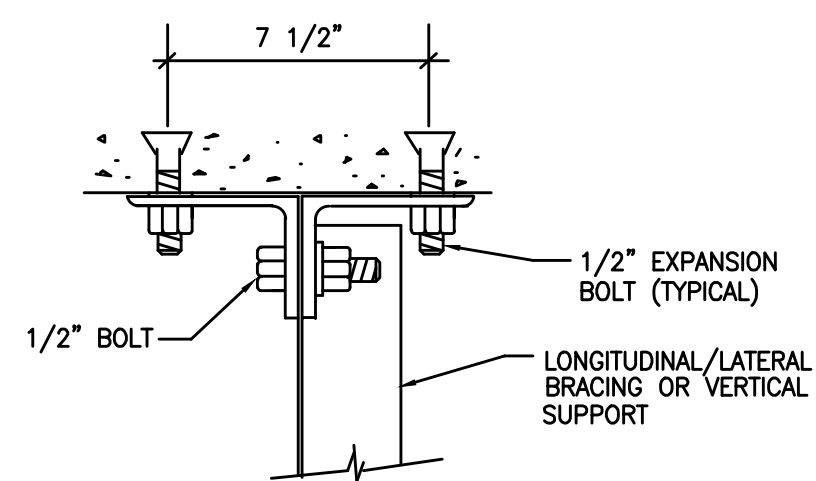


8

P502

CONNECTION TO CONCRETE

NOT TO SCALE

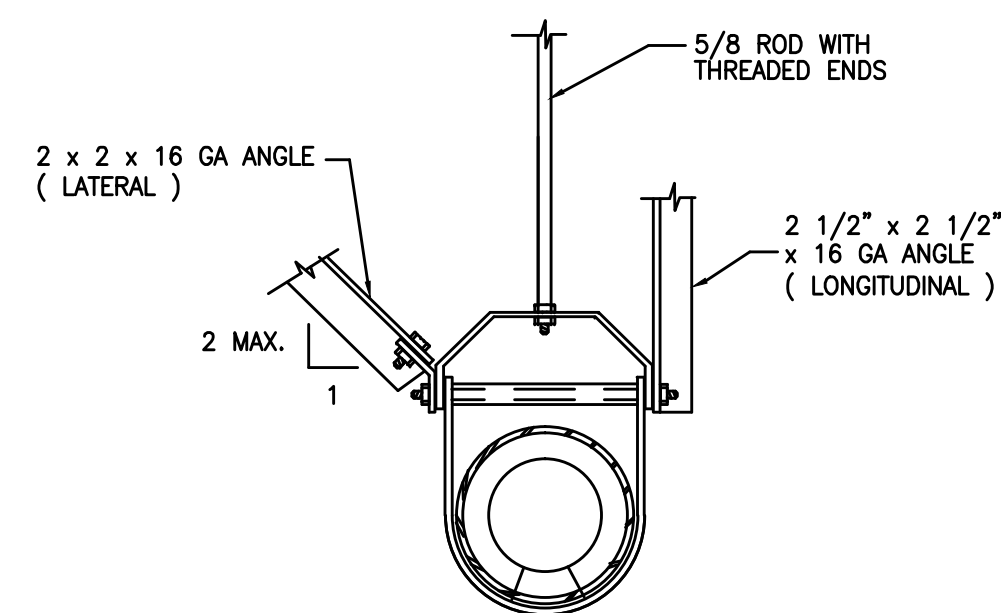


7

P502

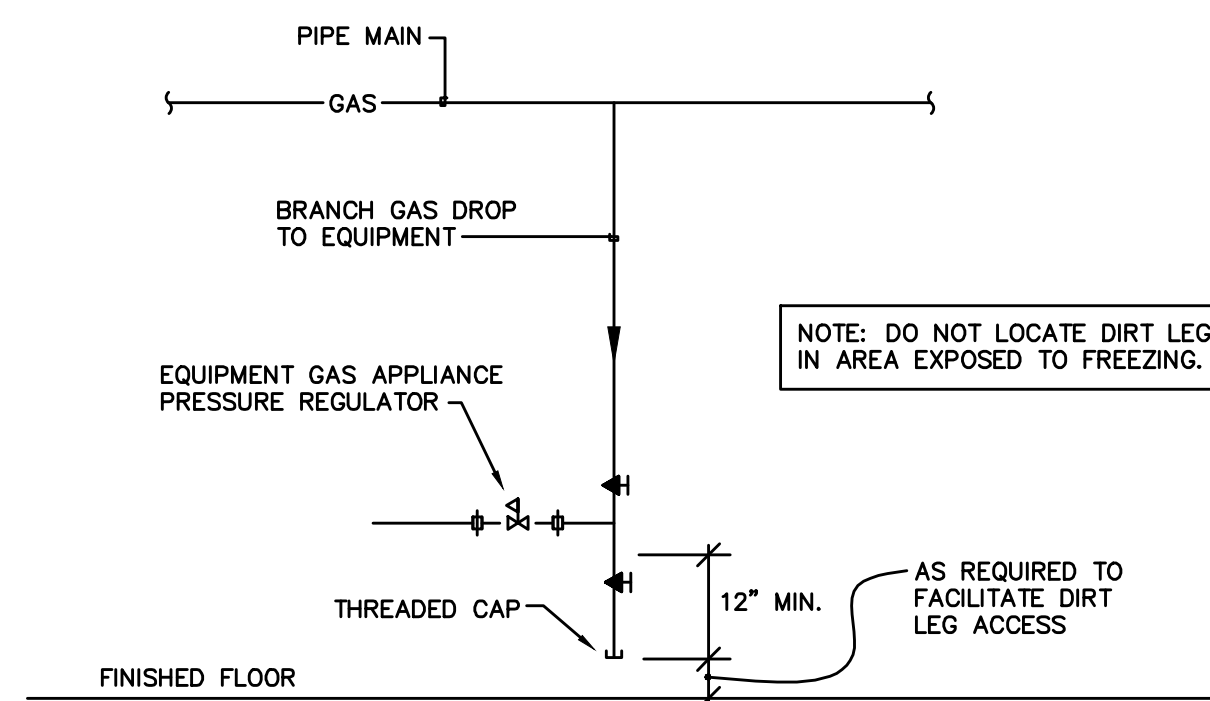
PIPE SUPPORT DETAIL

NOT TO SCALE

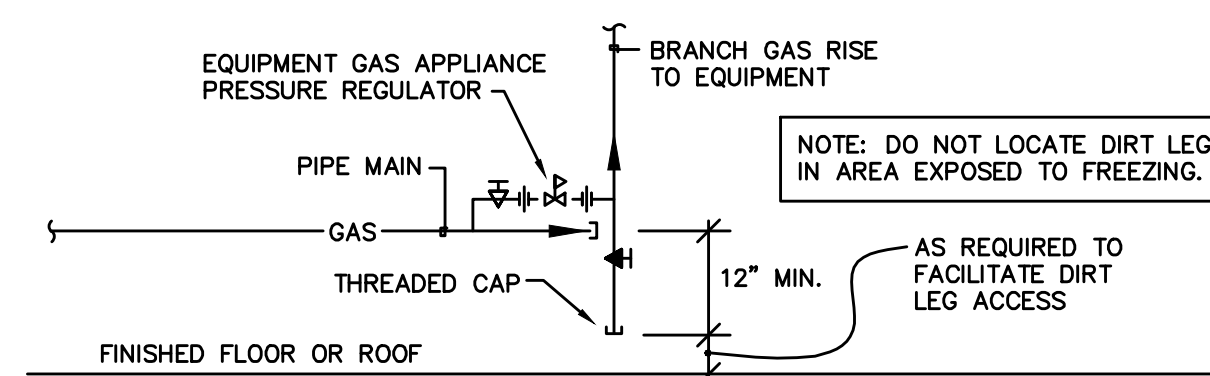


6

P502



DOWNFEED TO EQUIPMENT



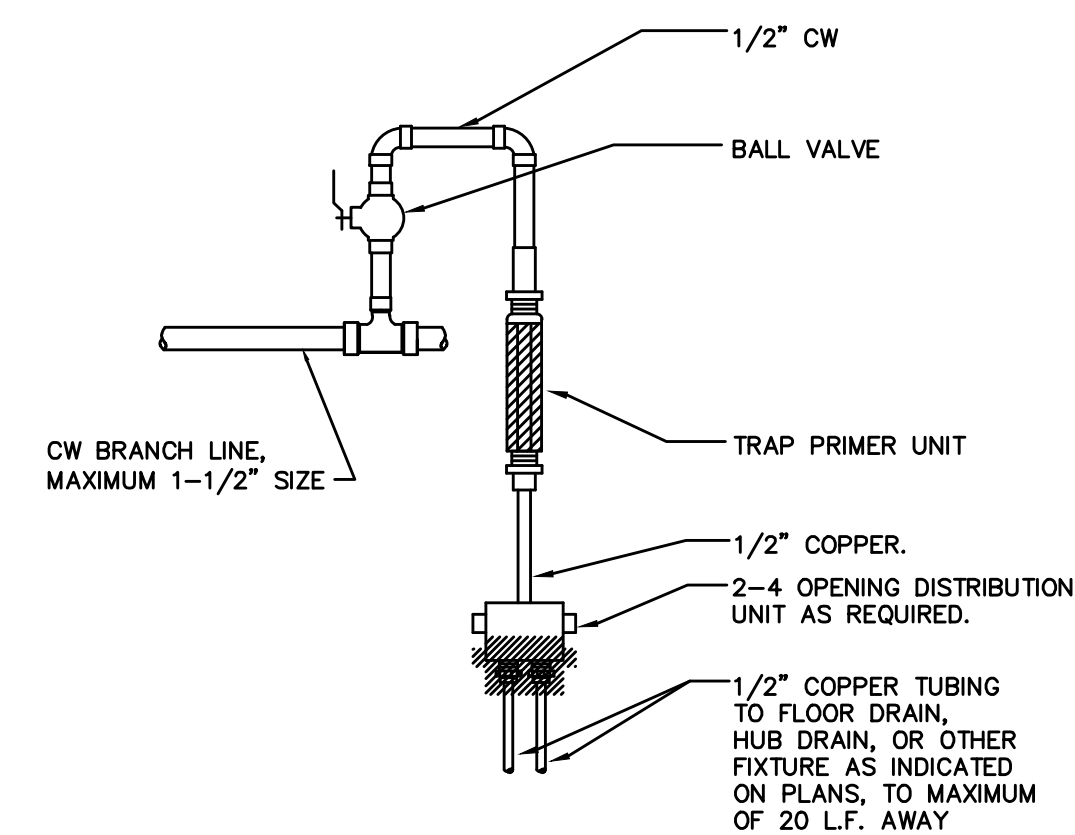
UPFEED TO EQUIPMENT

TYPICAL
DIRT LEG DETAILS

NOT TO SCALE

5

P502



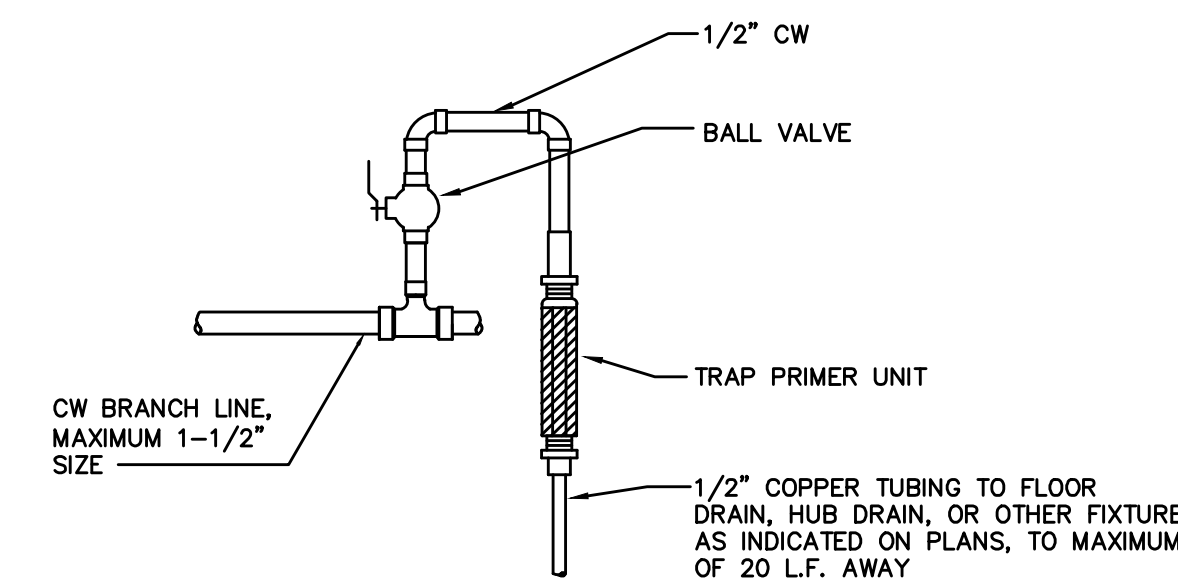
NOTE: WHERE TRAP PRIMER VALVE IS INDICATED TO BE LOCATED RECESSED IN WALL OR CHASE, PROVIDE WALL/CHASE ACCESS DOOR, ADEQUATELY SIZED FOR MAINTENANCE AND REPAIR.

TYPICAL TP2 (MULTIPLE)
TRAP PRIMER DETAIL

NOT TO SCALE

4

P502



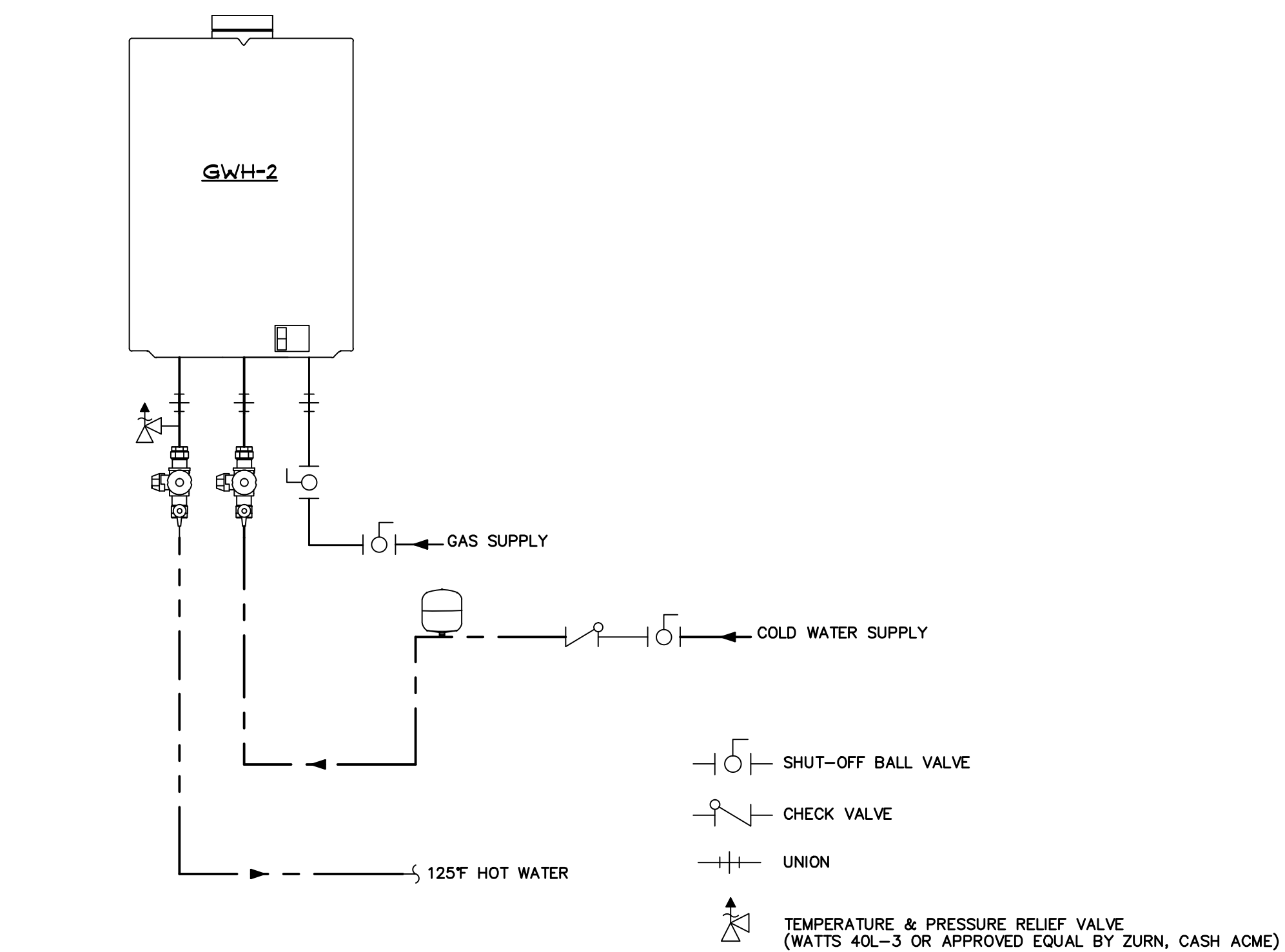
NOTE: WHERE TRAP PRIMER VALVE IS INDICATED TO BE LOCATED RECESSED IN WALL OR CHASE, PROVIDE WALL/CHASE ACCESS DOOR, ADEQUATELY SIZED FOR MAINTENANCE AND REPAIR.

TYPICAL TP1 (SINGLE)
TRAP PRIMER DETAIL

NOT TO SCALE

3

P502



NOTES:

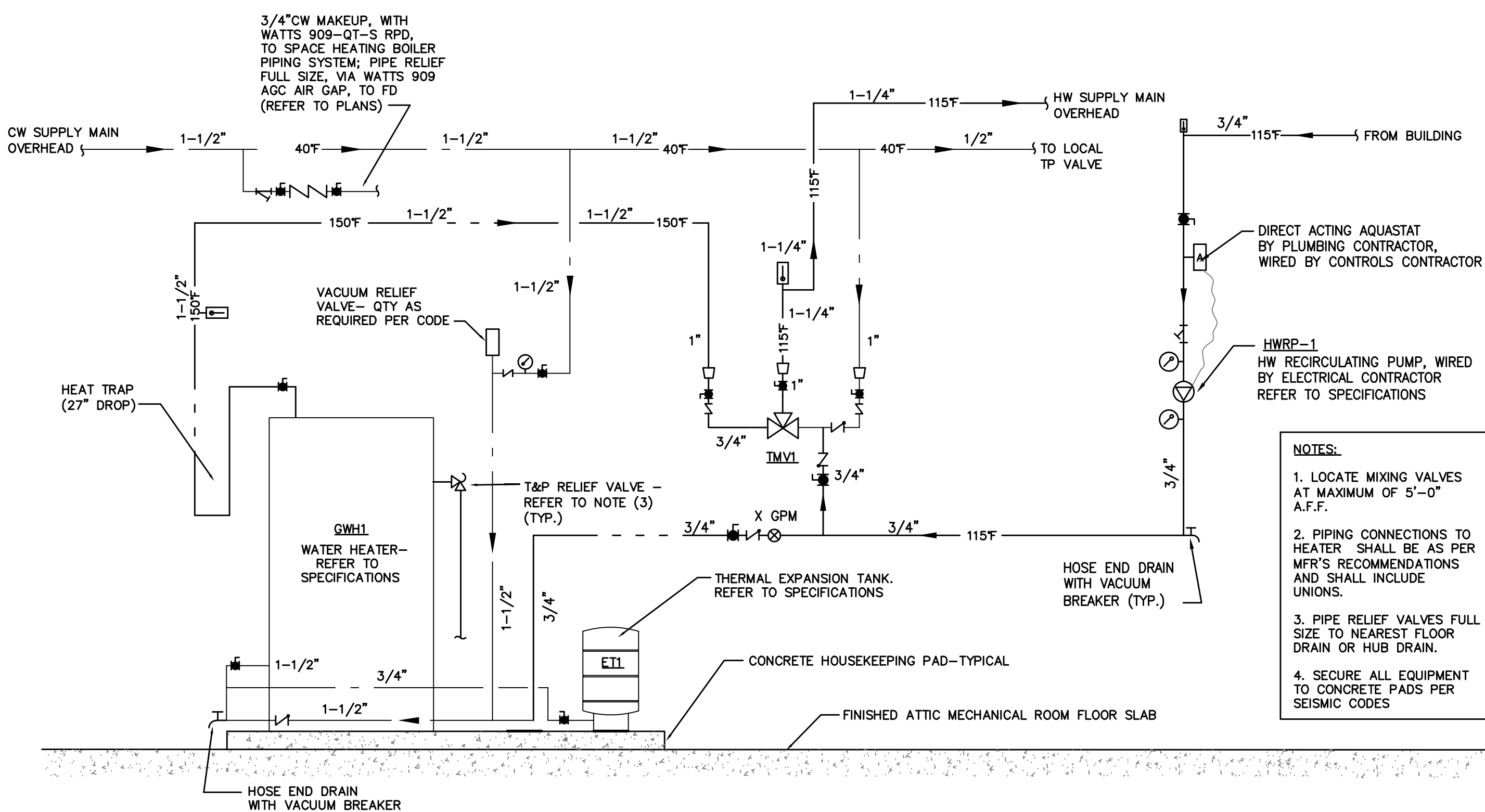
1. RECIRCULATION PUMP TO PROVIDE AT LEAST 2 GPM THROUGH THE SYSTEM AT 10 FT OF HEAD PLUS PIPING LOSSES.
2. PUMP CONTROL SIGNAL IS PREFERRED METHOD TO CONTROL THE RECIRCULATION PUMP. REFER TO THE MANUAL FOR DETAILED INSTRUCTIONS IN SETTING UP THE PUMP WITH THE SYSTEM CONTROLLER.
3. IF PUMP IS NOT GOING TO BE CONTROLLED BY THE SYSTEM CONTROLLER, AN AQUASTAT MAY BE USED & INSTALLED INSIDE THE BUILDING. WIRE AQUASTAT TO PUMP ACCORDING TO "CIRCULATION PUMP TO AQUASTAT WIRE DIAGRAM".
4. SYSTEM CONTROLLER CAN BE USED TO CONNECT 2 OR MORE UNIT MULTISYSTEM APPLICATION. REFER TO MANUAL FOR DETAILED INSTRUCTIONS IN SETTING UP SYSTEM CONTROLLER.
5. WHEN USING A SYSTEM CONTROLLER, USE ONLY A SINGLE REMOTE CONTROLLER.
6. SIZE THE PIPING TO ALLOW FOR THE MAXIMUM FLOW RATES OF THE UNITS.

GWH-2 TANKLESS GAS WATER HEATER & ACCESSORIES PIPING DETAIL (SERVES KITCHEN)

NOT TO SCALE

2

P502



NOTES:

1. LOCATE MIXING VALVES AT MAXIMUM OF 5'-0" A.F.F.
2. PIPING CONNECTIONS TO HEATER SHALL BE AS PER MFR'S RECOMMENDATIONS AND SHALL INCLUDE UNIONS.
3. PIPE RELIEF VALVES FULL SIZE TO NEAREST FLOOR DRAIN OR HUB DRAIN.
4. SECURE ALL EQUIPMENT TO CONCRETE PADS PER SEISMIC CODES

